

## **Get Into Programming Bootcamp**

The Get into Programming with JavaScript is aimed at absolute beginners in computer programming.

Explore basic JavaScript, one of the most widely used programming languages in the domain of web development, including concepts involved in the programming language, the features which distinguish it from other languages, and its applications.

## **Bootcamp Outline**

### **Day 1, part 1**

- The origins of data
- Data is just a noun
- What makes up data – the adjectives
- Variables
- Algebra vs Programming
- Algorithms
- Constant variables
- Data types
- Data names
- Examples – temperature conversion, shopping cart

### **Day 1, part 2**

- Programming structures – sequence and selection
- Selection (choices, decisions)
- Multiple selection
- Compound operators
- Functions – just an introduction
- Functions – in built
- Examples - shopping cart (with decisions)

### **Day02 Part 1**

- Loops in JS
- While loop
- More operators
- Shopping cart example with loops
- Three programming structures
- Desk checking
- For loop

## **Day02 Part 2**

- Arrays
- Declaring and using arrays
- Array properties
- Array methods

## **Day03**

- Functions
  - Parameters
  - Return
- Using functions
  - Expanding the shopping cart
- Combining arrays and functions
  - Passing an array to a function

## **Day04**

- Errors
  - Syntax errors
  - Logical errors
- Advanced Topics
  - Loading Arrays
  - JavaScript Objects
- JavaScript Built in Functions(Time Permitting)

## **Instructor Bio**

Axle Barr is excited to share his wealth of knowledge through the creation and delivery of IT courses. He has a degree in Business Administration and a Master's in Educational Technology, which serves him well in the role of instructor. In addition to these credentials, Axle also holds multiple certifications, including Project Management's CAPM, MCSD, and ESL. Although Axle began his career as a financial planner, he later transitioned into IT because of a keen interest in software development. This has led to an impressive portfolio involving several programming and scripting languages, databases, and computer networking technologies.